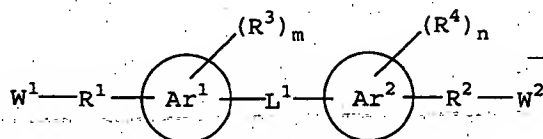


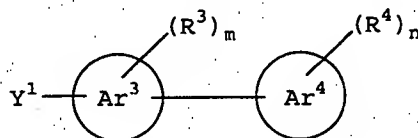
WHAT IS CLAIMED IS:

1. A pharmaceutical composition comprising:

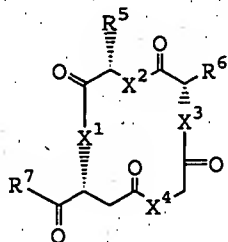
(a) compound selected from the group consisting of an aromatic compound of the formula:



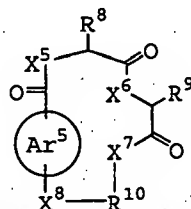
a heteroaromatic compound of the formula:



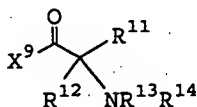
a cyclic compound of the formula:



10 a bicyclic compound of the formula:



and an amino acid derivative of the formula:



or salts thereof,

wherein

each of W^1 and W^2 is independently CO_2R^{15} , $C(=NH)NH(OH)$, SO_3R^{15} , $C(=NH)NH_2$, $OPO(OR^{15})_2$, $C(=O)CF_3$ or $PO(OR^{15})_2$;

5 each of Ar^1 , Ar^2 , Ar^4 and Ar^5 is independently C_6-C_{20} aryl or C_1-C_{20} heteroaryl;

Ar^3 is C_1-C_{20} heteroaryl;

each of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 and X^8 is independently methylene, O, S or NR^{16} ;

each of R^1 and R^2 is independently a bond, C_1-C_6 alkylene, or halogenated C_1-C_6 alkylene;

each of R^3 and R^4 are independently halogen, $-Z^1$ or C_1-C_6 alkyl;

each of X^9 , Y^1 and Z^1 is independently OR^{17} , SR^{17} or $NR^{17}R^{18}$;

15 each of R^5 and R^6 is independently amino acid side chain residue or a moiety of the formula $-R^{19}-W^3$;

each of R^8 , R^9 and R^{11} is independently an amino acid side chain residue, provided R^{11} is not H or CH_3 ;

R^7 is OR^{20} , $NR^{21}R^{22}$, or from about 1 to about 10 amino acids;

R^{10} is C_1-C_6 alkylene;

20 R^{12} is C_1-C_6 alkyl or C_6-C_{20} aralkyl;

W^3 is $C(=O)X^{10}$;

X^{10} is OR^{23} or $NR^{24}R^{25}$;

each of R^{13} , R^{15} , R^{17} , R^{18} , R^{20} , R^{21} , R^{23} and R^{24} is independently hydrogen or C_1 - C_6 alkyl;

each R^{16} is independently H, C_6 - C_{20} aryl or an amide protecting group;

5 R^{19} is C_1 - C_6 alkylene;

each of R^{22} and R^{25} is independently H, C_1 - C_6 alkyl or an amide protecting group;

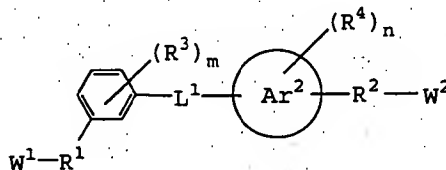
R^{14} is H, C_1 - C_6 alkyl or an amine protecting group;

L is a linker comprising from 1 to about 20 atoms; and

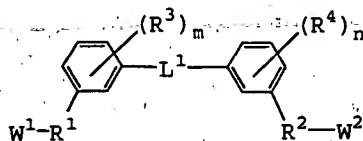
each of m and n is independently an integer from 0 to 2; and

(b) a pharmaceutically acceptable carrier.

2. The composition of Claim 1, wherein said compound is of the formula:



15 3. The composition of Claim 2, wherein said compound is of the formula:



4. The composition of Claim 3, wherein m and n are 0.

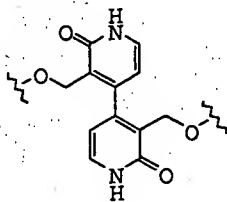
5. The composition of Claim 4, wherein W^1 and W^2 are CO_2H .

6. The composition of Claim 5, wherein R^1 and R^2 are a bond.
7. The composition of Claim 6, wherein L^1 is $-\text{CH}_2\text{CH}_2-$.
8. The composition of Claim 6, wherein L^1 is $-\text{CH}_2\text{O}-$.
9. The composition of Claim 6, wherein L^1 is $-\text{CH}=\text{CHC}(=\text{O})-$.
10. The composition of Claim 6, wherein L^1 is $-\text{CH}_2\text{CH}_2\text{CH}(\text{OH})-$.
11. The composition of Claim 6, wherein L^1 is $-\text{CH}=\text{CH}-$.
12. The composition of Claim 6, wherein L^1 is $-\text{CH}(\text{OH})\text{CH}(\text{OH})-$.
13. The composition of Claim 12, wherein the stereochemistry of hydroxy groups is (S,S).

14. The composition of Claim 6, wherein L^1 is $-\text{CH}_2\text{N}(\text{R}^{26})\text{CH}_2-$, wherein R^{26} is H, C_1 - C_6 alkyl or an amine protecting group.

15. The composition of Claim 14, wherein R^{26} is $-\text{CH}_2\text{CO}_2\text{H}$.

16. The composition of Claim 6, wherein L^1 is a moiety of the formula:



17. The composition of Claim 5, wherein R^1 and R^2 are $-\text{CH}_2-$.

18. The composition of Claim 17, wherein L^1 is ethylene.

19. The composition of Claim 17, wherein L^1 is $-\text{CH}=\text{CH}-$.

20. The composition of Claim 5, wherein R^1 is methylene, R^2

is a bond and L¹ is ethylene.

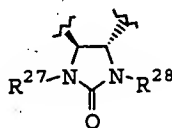
21. The composition of Claim 4, wherein W¹ and W² are PO(OR¹⁵)₂, and R¹ and R² are a bond.

22. The composition of Claim 21, wherein L¹ is ethylene.

23. The composition of Claim 22, wherein R¹⁵ is ethyl.

24. The composition of Claim 22, wherein R¹⁵ is H.

25. The composition of Claim 21, wherein L¹ is a moiety of the formula:

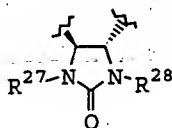


wherein

each of R²⁷ and R²⁸ is independently H, C₁-C₆ alkyl, C₆-C₁₀ aralkyl or a protecting group.

26. The composition of Claim 25, wherein each of R²⁷ and R²⁸ is independently 4-methoxybenzyl or H.

27. The composition of Claim 6, wherein L¹ is a moiety of the formula:



wherein

each of R²⁷ and R²⁸ is independently H, C₁-C₆ alkyl, C₆-C₁₀

aralkyl or a protecting group.

28. The composition of Claim 27, wherein each of R^{27} and R^{28} is independently 4-methoxybenzyl or H.

29. The composition of Claim 4, wherein L^1 is $-\text{CH}=\text{CH}-$, W_1 and W_2 are $\text{C}(=\text{NH})\text{NH}(\text{OH})$, and R_1 and R_2 are bond.

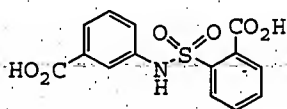
30. The composition of Claim 4, wherein L^1 is $-\text{CH}_2\text{O}-$, W_1 and W_2 are $\text{C}(=\text{O})\text{CF}_3$, and R_1 and R_2 are bond.

31. The composition of Claim 4, wherein L^1 is $-\text{CH}_2\text{CH}_2-$, R_1 and W_1 together forms $-(\text{CH}_2)_a\text{CH}(\text{NHR}^{29})\text{CO}_2\text{H}$, wherein a is an integer from 0 to 2 and R^{29} is H, C_1 - C_6 alkyl or an amine protecting group.

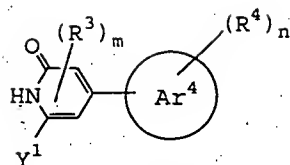
32. The composition of Claim 31, wherein R_2 and W_2 together forms $-(\text{CH}_2)_b\text{CH}(\text{NHR}^{30})\text{CO}_2\text{H}$, wherein b is an integer from 0 to 2 and R^{30} is H, C_1 - C_6 alkyl or an amine protecting group.

33. The composition of Claim 32, wherein a and b are 1, and R^{29} and R^{30} are $-\text{C}(=\text{O})\text{CH}_3$.

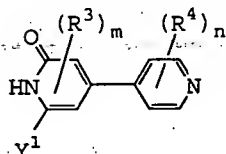
34. The composition of Claim 2, wherein said compound is of the formula:



35. The composition of Claim 1, wherein said compound is of the formula:



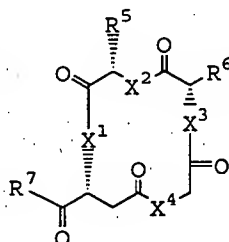
36. The composition of Claim 35, wherein said compound is of the formula:



37. The composition of Claim 36, wherein Y¹ is -NH₂.

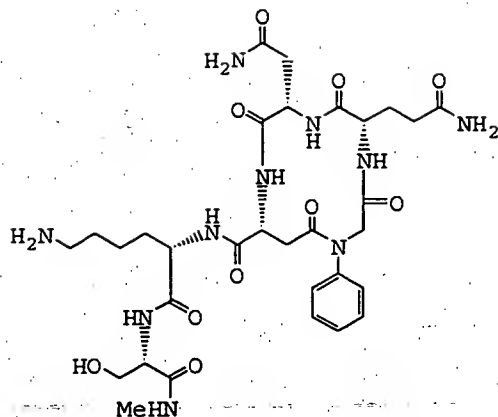
38. The composition of Claim 37, wherein m and n are 0.

39. The composition of Claim 1, wherein said compound is of the formula:

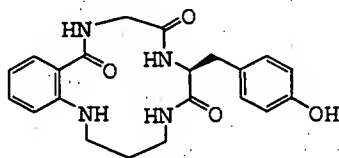


10 wherein X¹, X², X³ and X⁴ are NR¹⁶.

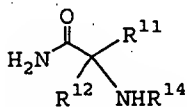
40. The composition of Claim 39, wherein said compound is of the formula:



41. The composition of Claim 1, wherein said compound is of the formula:

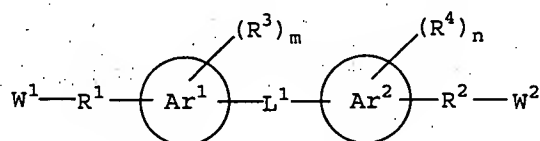


42. The composition of Claim 1, wherein said compound is of the formula:

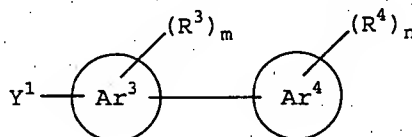


43. The composition of Claim 42, wherein R^{11} is lysine side chain residue, R^{12} is 2'-phenylethyl and R^{14} is $-C(=O)CH_3$.

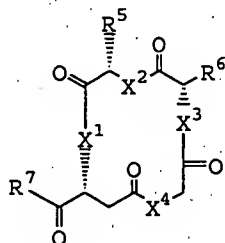
44. A method for inhibiting Fc receptor binding of immunoglobulin in a patient comprising administering to such patient a pharmaceutically effective amount of a compound selected from the group consisting of substituted or unsubstituted benzoic acids, nucleosides and analogs thereof, folic acid and its derivatives, an aromatic compound of the formula:



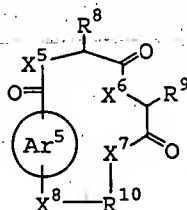
a heteroaromatic compound of the formula:



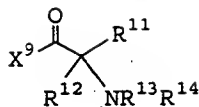
a cyclic compound of the formula:



a bicyclic compound of the formula:



and an amino acid derivative of the formula:



or salts thereof,

wherein

each of W^1 and W^2 is independently CO_2R^{15} , $\text{C}(=\text{NH})\text{NH}(\text{OH})$, SO_3R^{15} ,

5 $\text{C}(=\text{NH})\text{NH}_2$, $\text{OPO}(\text{OR}^{15})_2$, $\text{C}(=\text{O})\text{CF}_3$ or $\text{PO}(\text{OR}^{15})_2$;

each of Ar^1 , Ar^2 , Ar^4 and Ar^5 is independently $\text{C}_6\text{-C}_{20}$ aryl or $\text{C}_1\text{-C}_{20}$ heteroaryl;

Ar^3 is $\text{C}_1\text{-C}_{20}$ heteroaryl;

each of X^1 , X^2 , X^3 , X^4 , X^5 , X^6 , X^7 and X^8 is independently
10 methylene, O, S or NR^{16} ;

each of R^1 and R^2 is independently a bond, $\text{C}_1\text{-C}_6$ alkylene, or halogenated $\text{C}_1\text{-C}_6$ alkylene;

each of R^3 and R^4 are independently halogen, $-\text{Z}^1$ or $\text{C}_1\text{-C}_6$ alkyl;

each of X^9 , Y^1 and Z^1 is independently OR^{17} , SR^{17} or $\text{NR}^{17}\text{R}^{18}$;

15 each of R^5 and R^6 is independently amino acid side chain residue or a moiety of the formula $-\text{R}^{19}\text{-W}^3$;

each of R^8 , R^9 and R^{11} is independently an amino acid side chain residue, provided R^{11} is not H or CH_3 ;

R^7 is OR^{20} , $\text{NR}^{21}\text{R}^{22}$, or from about 1 to about 10 amino acids;

20 R^{10} is $\text{C}_1\text{-C}_6$ alkylene;

R^{12} is $\text{C}_1\text{-C}_6$ alkyl or $\text{C}_6\text{-C}_{20}$ aralkyl;

W³ is C(=O)X¹⁰;

X¹⁰ is OR²³ or NR²⁴R²⁵;

each of R¹³, R¹⁵, R¹⁷, R¹⁸, R²⁰, R²¹, R²³ and R²⁴ is independently hydrogen or C₁-C₆ alkyl;

5 each R¹⁶ is independently H, C₆-C₂₀ aryl or an amide protecting group;

R¹⁹ is C₁-C₆ alkylene;

each of R²² and R²⁵ is independently H, C₁-C₆ alkyl or an amide protecting group;

R¹⁴ is H, C₁-C₆ alkyl or an amine protecting group;

L is a linker comprising from 1 to about 20 atoms; and

each of m and n is independently an integer from 0 to 2.

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15 45. The method of Claim 44, wherein said Fc receptor is selected from the group consisting of FcαR, FcεR, FcγR and mixtures thereof.

46. The method of Claim 45, wherein said Fc receptor is selected from the group consisting of FcγRIIa, FcγRIIb, FcγRIIc and mixtures thereof.

20 47. The method of Claim 44, wherein said method reduces IgG-mediated tissue damage in said patient.

48. The method of Claim 44, wherein said method reduces

inflammation in said patient.

49. The method of Claim 44, wherein said method is used to treat an autoimmune disease.

50. The method of Claim 44, wherein said method is used to treat a disease where aggregates of antibodies are produced or where immune complexes are produced by contact of antibody with intrinsic or extrinsic antigen.

51. The method of Claim 50, wherein said disease is selected from the group consisting of immune complex diseases, autoimmune diseases, infectious diseases and vasculitities.

52. The method of Claim 51, wherein said autoimmune disease is selected from the group consisting of rheumatoid arthritis, systemic lupus erythematosus, immune thrombocytopenia, neutropenia, and hemolytic anaemias.

53. The method of Claim 51, wherein said vasculitities is selected from the group consisting of polyarteritis nodosa, and systemic vasculitis.

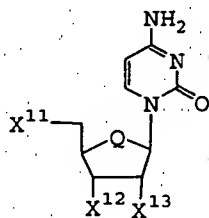
54. The method of Claim 44, wherein said method is used to treat xenograft rejection.

55. The method of Claim 51, wherein said infectious disease is selected from the group consisting of Dengue virus-dengue hemorrhagic fever and measles virus infection.

56. The method of Claim 44, wherein said method reduces IgE-mediated response in said patient.

57. The method of Claim 44, wherein said compound is selected from the group consisting of folic acid, 4-methyl benzoic acid, 3-methyl benzoic acid and a nucleoside or analogs thereof.

58. The method of Claim 57, wherein said nucleoside or analogs thereof is of the formula:



wherein

Q is O or methylene;

X¹¹ is OR³¹ or OPO(OR³¹)₂;

each of X¹² and X¹³ is independently H or OR³²; and

each of R³¹ and R³² is independently H or C₁-C₆ alkyl.

59. The method of Claim 58, wherein Q is O.

60. The method of Claim 59, wherein X¹¹ is OH.

61. The method of Claim 60, wherein X¹² and X¹³ are H.

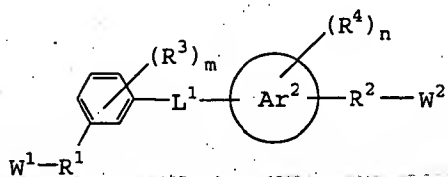
62. The method of Claim 60, wherein X¹² and X¹³ are OH.

63. The method of Claim 60, wherein X¹² is OH and X¹³ is H.

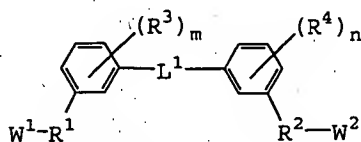
64. The method of Claim 59, wherein X¹¹ is OPO₃H₂.

65. The method of Claim 64, wherein X^{12} and X^{13} are OH.

66. The method of Claim 44, wherein said compound is of the formula:



5 67. The method of Claim 66, wherein said compound is of the formula:



68. The method of Claim 67, wherein m and n are 0.

69. The method of Claim 68, wherein W^1 and W^2 are CO_2H .

70. The method of Claim 69, wherein R^1 and R^2 are a bond.

71. The method of Claim 70, wherein L^1 is $-CH_2CH_2-$.

72. The method of Claim 70, wherein L^1 is $-CH_2O-$.

73. The method of Claim 70, wherein L^1 is $-CH=CHC(=O)-$.

74. The method of Claim 70, wherein L^1 is $-CH_2CH_2CH(OH)-$.

15 75. The method of Claim 70, wherein L^1 is $-CH=CH-$.

76. The method of Claim 70, wherein L^1 is $-CH(OH)CH(OH)-$.

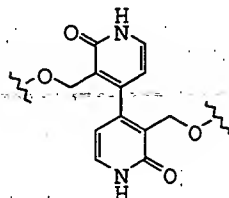
77. The method of Claim 76, wherein the stereochemistry of hydroxy groups is (S,S).

78. The method of Claim 70, wherein L^1 is $-CH_2N(R^{26})CH_2-$,

wherein R^{26} is H, C_1 - C_6 alkyl or an amine protecting group.

79. The method of Claim 78, wherein R^{26} is $-CH_2CO_2H$.

80. The method of Claim 70, wherein L^1 is a moiety of the formula:



81. The method of Claim 69, wherein R^1 and R^2 are $-CH_2-$.

82. The method of Claim 81, wherein L^1 is ethylene.

83. The method of Claim 81, wherein L^1 is $-CH=CH-$.

84. The method of Claim 69, wherein R^1 is methylene, R^2 is a bond and L^1 is ethylene.

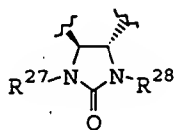
85. The method of Claim 68, wherein W^1 and W^2 are $PO(OR^{15})_2$, and R^1 and R^2 are a bond.

86. The method of Claim 85, wherein L^1 is ethylene.

87. The method of Claim 86, wherein R^{15} is ethyl.

88. The method of Claim 86, wherein R^{15} is H.

89. The method of Claim 85, wherein L^1 is a moiety of the formula:

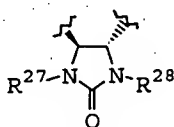


wherein

each of R^{27} and R^{28} is independently H, C_1-C_6 alkyl, C_6-C_{10} aralkyl or a protecting group.

90. The method of Claim 89, wherein each of R^{27} and R^{28} is independently 4-methoxybenzyl or H.

91. The method of Claim 70, wherein L^1 is a moiety of the formula:



wherein

each of R^{27} and R^{28} is independently H, C_1-C_6 alkyl, C_6-C_{10} aralkyl or a protecting group.

92. The method of Claim 91, wherein each of R^{27} and R^{28} is independently 4-methoxybenzyl or H.

93. The method of Claim 68, wherein L^1 is $-CH=CH-$, W_1 and W_2 are $C(=NH)NH(OH)$, and R_1 and R_2 are bond.

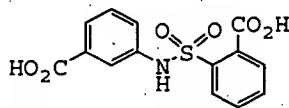
94. The method of Claim 68, wherein L^1 is $-CH_2O-$, W_1 and W_2 are $C(=O)CF_3$, and R_1 and R_2 are bond.

95. The method of Claim 68, wherein L^1 is $-CH_2CH_2-$, R_1 and W_1 together forms $-(CH_2)_aCH(NHR^{29})CO_2H$, wherein a is an integer from 0 to 2 and R^{29} is H, C_1-C_6 alkyl or an amine protecting group.

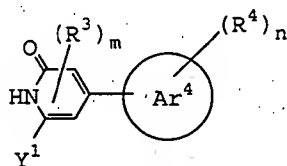
96. The method of Claim 95, wherein R_2 and W_2 together forms $-(CH_2)_bCH(NHR^{30})CO_2H$, wherein b is an integer from 0 to 2 and R^{30} is H, C_1-C_6 alkyl or an amine protecting group.

97. The method of Claim 96, wherein a and b are 1, and R^{29} and R^{30} are $-C(=O)CH_3$.

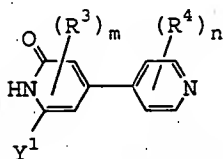
98. The method of Claim 66, wherein said compound is of the formula:



99. The method of Claim 44, wherein said compound is of the formula:



100. The method of Claim 99, wherein said compound is of the formula:

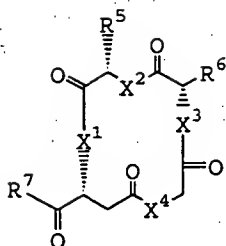


101. The method of Claim 100, wherein Y^1 is $-NH_2$.

102. The method of Claim 101, wherein m and n are 0.

103. The method of Claim 44, wherein said compound is of the

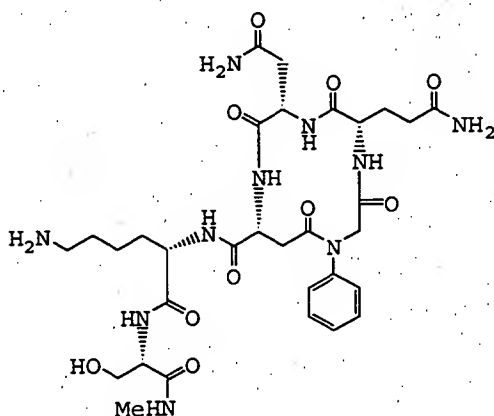
formula:



wherein X^1 , X^2 , X^3 and X^4 are NR^{16} .

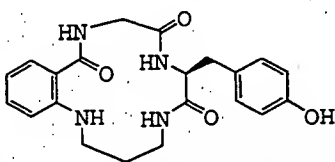
104. The method of Claim 103, wherein said compound is of the

formula:



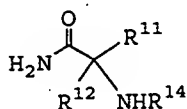
105. The method of Claim 44, wherein said compound is of the

formula:



106. The method of Claim 44, wherein said compound is of the

formula:



107. The method of Claim 106, wherein R¹¹ is lysine side chain residue, R¹² is 2'-phenylethyl and R¹⁴ is -C(=O)CH₃.